Abstracts

Oscillator Design for Maximum Added Power

B.K. Kormanyos and G.M. Rebeiz. "Oscillator Design for Maximum Added Power." 1994 Microwave and Guided Wave Letters 4.6 (Jun. 1994 [MGWL]): 205-206.

We report on a linearized technique for the determination of embedding networks that maximize the added power in a two-port oscillator design. The embedding networks are similar to the optimum networks presented by Kotzebue, but they are determined without the assumption of a constant voltage at the input port of the active device. The method presented here will result in a more accurate determination of the embedding networks for maximum power output from a device with a given set of two-port parameters.

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